Section 6.1

List of Contents

1 Safety regulations 1

1.1 General 1
1.2 Safety switch ADC Digitizer 1
1.3 Safety regulations for the laser beam 2
1.4 Protective measures for electronic components 3
1.5 Erasure Unit 4
1.6 Safety regulations for the battery replacement in the GEMINI CPU and the TAG Reader 5
1.7 Position of the type label 5

1 Safety regulations

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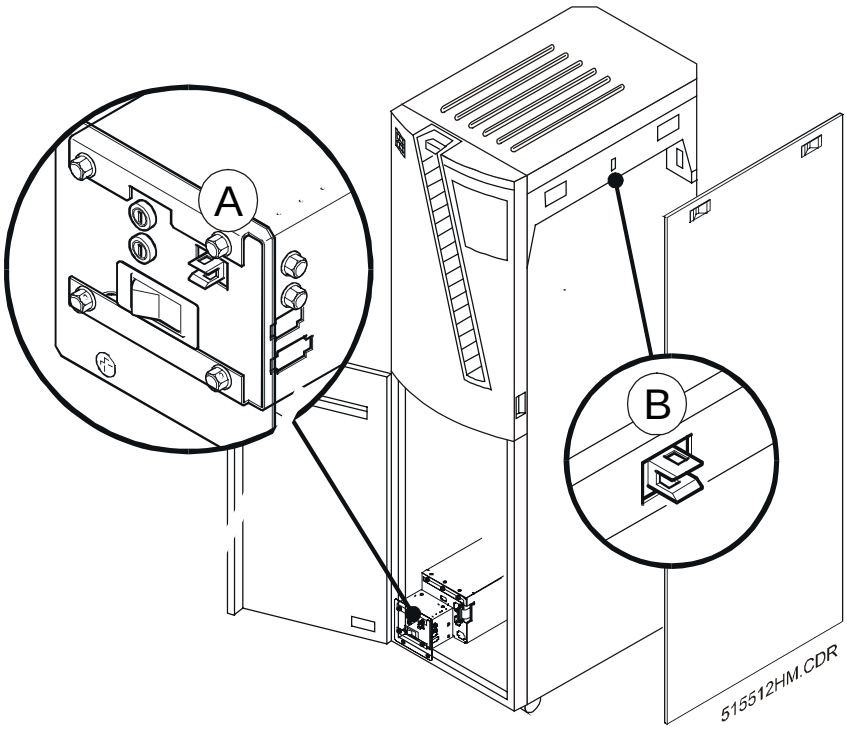
1.1 General

Check the following points visually with every repair work:

- Condition of the insulation of the mains plug / mains cable
- Effects of the strain relief for the mains cable
- Efficiency of the protective earth on metal panel parts (protective earth connected and spring contacts OK)
- Correct condition of the protection covers

1.2 Safety switch ADC Digitizer



A) Interlock front door

B) Interlock side panel

The mains voltage is only interrupted when the Digitizer front door is opened.

For service purposes this function can be overridden by means of a service key. However, be careful since there is a risk of injury by moving mechanical or electrical parts as well as the laser beam.

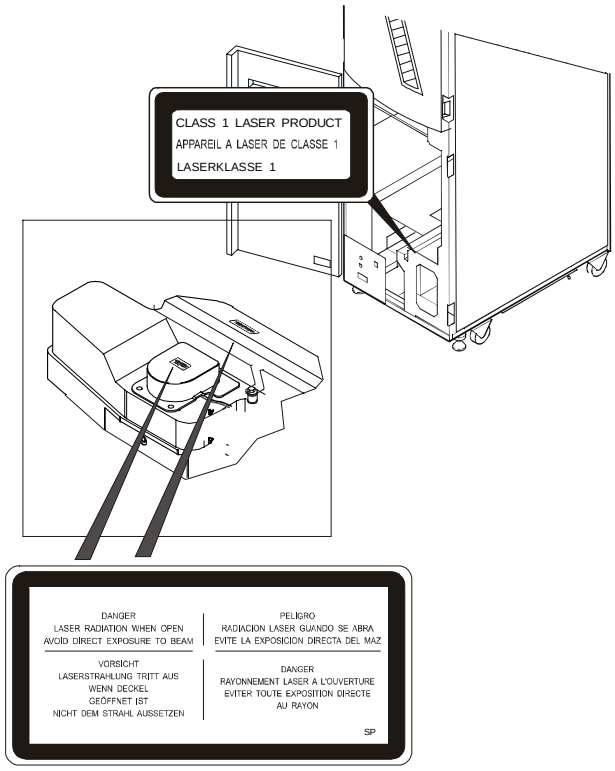
Consider that the service key must be removed again before the front door is closed or the right side panel is mounted. After having used the service key, check the function of the safety switch.

1.3 Safety regulations for the laser beam

The ADC SOLO Digitizer makes use of a 35 mW diodes laser, 660 nm wavelength, classification class Ib.
In normal operating conditions, when both panels are closed, there can't be any laser radiation outside the unit. It is nevertheless imperative that the local radiation safety regulations regarding the protection of staff against scattered radiation are complied with, if the ADC SOLO Digitizer is located in the immediate vicinity of an X-ray room.
For laser safety, only open up the right panel as described in the user manual to solve possible cassette or image plate jams. When the panel is removed, the main power supply is **not** automatically disconnected to prevent laser radiation.
Do not open the unit and put in the service key in the interlocks , if any parts of the laser unit are uncovered.

WARNING ***User interventions other than those described in this manual can be hazardous with regard to laser radiation.***

The corresponding label is located at the right bottom side of the unit near the type label and on the cover of the optical unit, see illustration:



Avoid direct exposure to laser beam. It is dangerous to look directly into the laser beam.

Do not hold any tools into the laser beam (risk of reflection).

During any service interventions concerning the optical path the digitizer must be switched off (replacement of rotating shutter, galvo, pin diodes or laser).

When checking the optical path laser goggles have to be put on (CM+9.9999.1547.0), in case of laser leak. Notice, that the laser goggles provide full protection, transmission is reduced by a factor more than 1,000,000.

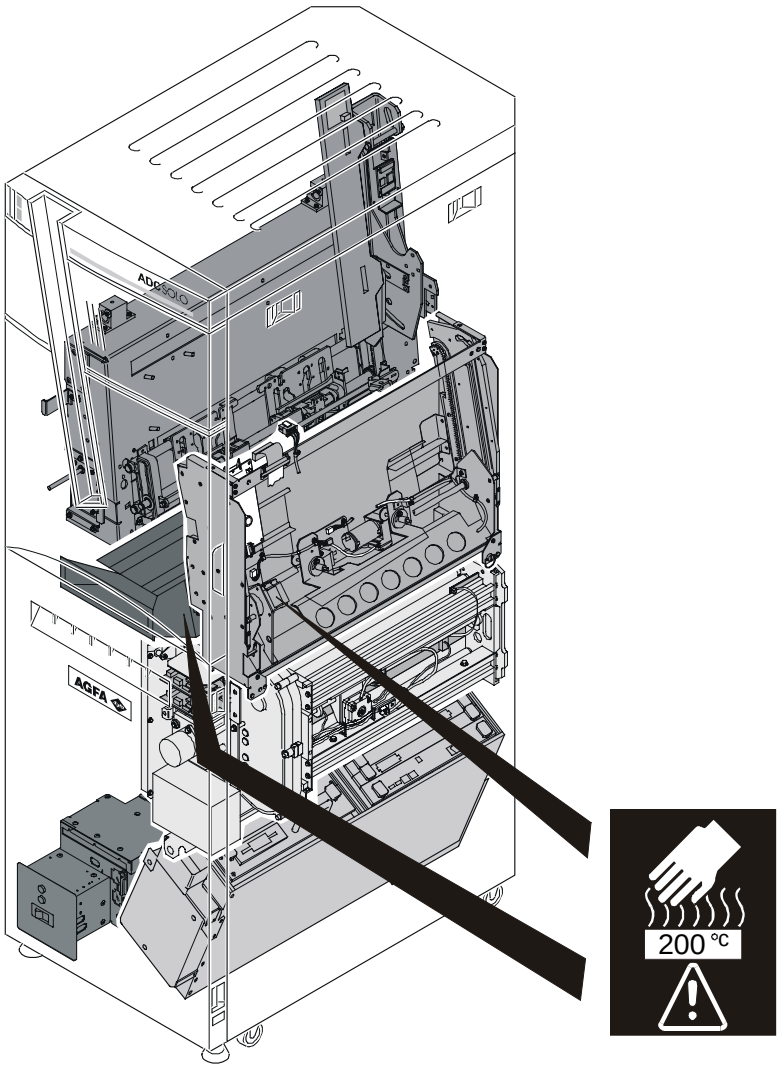
1.4 Protective measures for electronic components

Since there is a frequent problem with electrical components which are destroyed by static discharge, protective measures must be taken to avoidthis problem. For the repair on electrical components it is necessary to wear the grounding strap around the wrist and connect the other end of this strap on a position of the frame which is free of lacquer. Be attentive, that the frame is grounded!

This grounding strap is available under the spare part number CM+9.9999.0830.0 via LOG-T warehouse in Munich.

1.5 Erasure Unit

The Erasure Unit gets extremely hot during the operation. Avoid contact, there is a risk of burning. Watch the corresponding label see figure .



1.6 Safety regulations for the battery replacement in the GEMINI CPU and the TAG Reader

Attention:

- Incorrect battery replacement involves the risk of explosion. Consider the correct polarity.
- Only use batteries of the same type or an equivalent type as specified by the manufacturer.
- Dispose of empty batteries in compliance with the specifications of the manufacturer.

1.7 Position of the type label